



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
401 M Street, S.W.  
WASHINGTON, D.C. 20460

Form Approved OMB No. 2070-0060

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DATA MATRIX

Date March 4, 2022

EPA Reg. No. 7969-446; 7969-445

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Applicant's/Registrant's Name & Address

BASF Corporation, 26 Davis Drive, Research Triangle Park, NC 27709-3528

Product

Glufosinate-ammonium Technical & Glufosinate-ammonium MUP

Ingredient

Technical Glufosinate-ammonium

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
SERIES 830	PRODUCT PROPERTIES TEST GUIDELINES				
	Product Identity, Composition, and Analysis Test Guidelines				
830.1550 (61-1)	Product identity and composition	072961	BASF Corporation	OWN	
		263025	BASF Corporation	OWN	
		40345501	BASF Corporation	OWN	
		40345502	BASF Corporation	OWN	
		51575201	BASF Corporation	OWN	2020/2102016
		51709102	BASF Corporation	OWN	
		51836501	BASF Corporation	OWN	2022/2002978

Signature

*Karen Cain*

Name and Title

Karen Cain  
Sr Reg Manager

Date

03/04/2022

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Ingredient

Technical Glufosinate-ammonium

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.1600 (61-2)	Description of materials used to produce the product	263025	BASF Corporation	OWN	
		41323101	BASF Corporation	OWN	
		41323102	BASF Corporation	OWN	
		43766901	BASF Corporation	OWN	
		51575201	BASF Corporation	OWN	2020/2102016
		51709102	BASF Corporation	OWN	2021/2036283
		51836501	BASF Corporation	OWN	2022/2002978
830.1620 (61-2)	Description of production process	51575201 51709102	BASF Corporation BASF Corporation	OWN OWN	2020/2102016 2021/2036283
		51836501	BASF Corporation	OWN	2022/2002978

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Technical Glufosinate-ammonium

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.1650 (61-2)	Description of formulation process				
830.1670 (61-3)	Discussion of formation of impurities	263025	BASF Corporation	OWN	
		41323101	BASF Corporation	OWN	
		41323103	BASF Corporation	OWN	
		51575201 51709102	BASF Corporation BASF Corporation	OWN OWN	2020/2102016 2021/2036283
		51836501	BASF Corporation	OWN	2022/2002978
830.1700 (62-1)	Preliminary analysis	41323101	BASF Corporation	OWN	
		41323104	BASF Corporation	OWN	
		51499703	BASF Corporation	OWN	M-511226-02-1

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Ingredient

Technical Glufosinate-ammonium

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
		51575202	BASF Corporation	OWN	2021/2003444
		51709101	BASF Corporation	OWN	2021/2004266
		51836502 51836503	BASF Corporation BASF Corporation	OWN OWN	2022/2007300 2022/2005859
830.1750 (62-2)	Certified limits	41323101	BASF Corporation	OWN	
		41323104	BASF Corporation	OWN	
		51575201 51709102	BASF Corporation BASF Corporation	OWN OWN	2020/2102016 2021/2036283
		51836501	BASF Corporation	OWN	2022/2002978
830.1800 (62-3)	Enforcement analytical method	40345502	BASF Corporation	OWN	
		40345601	BASF Corporation	OWN	

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Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
		41323104	BASF Corporation	OWN	
		51575201 51709102	BASF Corporation BASF Corporation	OWN OWN	2020/2102016 2021/2036283
		51836501	BASF Corporation	OWN	2022/2002978
		51836502 51836503	BASF Corporation BASF Corporation	OWN OWN	2022/2007300 2022/2005859
830.1900 (64-1)	Submittal of samples				
	Physical/Chemical Properties Test Guidelines				
830.6302 (63-2)	Color	263025	BASF Corporation	OWN	
830.6303 (63-3)	Physical state	263205	BASF Corporation	OWN	
830.6304 (63-4)	Odor	263205	BASF Corporation	OWN	

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Ingredient

Technical Glufosinate-ammonium

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.6313 (63-13)	Stability to normal & elevated temperatures, metals, and metal ions	263205	BASF Corporation	OWN	
830.6314 (63-14)	Oxidation/reduction: chemical incompatibility				
830.6315 (63-15)	Flammability	263205	BASF Corporation	OWN	
830.6316 (63-16)	Explodability	263205	BASF Corporation	OWN	
830.6317 (63-17)	Storage stability	263205	BASF Corporation	OWN	
830.6319 (63-19)	Miscibility				
830.6320 (63-20)	Corrosion characteristics	263205	BASF Corporation	OWN	
830.6321 (63-21)	Dielectric breakdown voltage				
830.7000 (63-12)	pH	263205	BASF Corporation	OWN	

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Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.7050	UV/visible absorption				
830.7100 (63-18)	Viscosity				
830.7200 (63-5)	Melting point/melting range	263205	BASF Corporation	OWN	
830.7220 (63-6)	Boiling point/boiling range				
830.7300 (63-7)	Density/relative density/bulk density	263025	BASF Corporation	OWN	
830.7370 (63-10)	Dissociation constants in water	263205	BASF Corporation	OWN	
830.7550 (63-11)	Partition coefficient ( <i>n</i> -octanol/water), shake flask method	263205	BASF Corporation	OWN	
830.7560 (63-11)	Partition coefficient ( <i>n</i> -octanol/water), generator column method				
830.7570 (63-11)	Partition coefficient ( <i>n</i> -octanol/water), estimation by liquid chromatography				

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Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.7840 (63-8)	Water solubility: column elution method; shake flask method	263025	BASF Corporation	OWN	
830.7950 (63-9)	Vapor pressure	263205	BASF Corporation	OWN	
830.7950 (63-9)	Vapor pressure	44032901	BASF Corporation	OWN	
<b>SERIES 835</b>	<b>FATE, TRANSPORT, AND TRANSFORMATION TEST GUIDELINES</b>				
	<b>Degradation Studies - Lab</b>				
(161-1)	Hydrolysis	072974	BASF Corporation	OWN	
		262076	BASF Corporation	OWN	
		40345656	BASF Corporation	OWN	
	<b>Photodegradation</b>				

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Technical Glufosinate-ammonium

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
(161-2)	In water	40345657	BASF Corporation	OWN	
		41323115	BASF Corporation	OWN	
(161-3)	In soil	40345658	BASF Corporation	OWN	
		41323116	BASF Corporation	OWN	
		41323117	BASF Corporation	OWN	
		41920102	BASF Corporation	OWN	
	Metabolism Studies - Lab				
(162-1)	Aerobic soil	072974	BASF Corporation	OWN	

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Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
		262076	BASF Corporation	OWN	
		40345659	BASF Corporation	OWN	
		40501018	BASF Corporation	OWN	
		41323118	BASF Corporation	OWN	
		41323119	BASF Corporation	OWN	
		41920103	BASF Corporation	OWN	
(162-2)	Anaerobic soil	40501014	BASF Corporation	OWN	
		41323119	BASF Corporation	OWN	
		41323120	BASF Corporation	OWN	

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Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
(162-3)	Anaerobic aquatic	45215401	BASF Corporation	OWN	
(162-3)	Anaerobic aquatic	45204402	BASF Corporation	OWN	
(162-4)	Aerobic aquatic	40345660	BASF Corporation	OWN	
		45204401	BASF Corporation	OWN	
	<b>Mobility Studies</b>				
(163-1)	Leaching and adsorption/desorption	262076	BASF Corporation	OWN	
		40345661	BASF Corporation	OWN	
		40345662	BASF Corporation	OWN	
		41323121	BASF Corporation	OWN	

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Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
	Volatility				
(163-2)	Lab	41323122	BASF Corporation	OWN	
		41920104	BASF Corporation	OWN	
	Dissipation Studies- Field				
(164-1)	Soil	072974	BASF Corporation	OWN	
		40345663	BASF Corporation	OWN	
		40345664	BASF Corporation	OWN	
		40345665	BASF Corporation	OWN	

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Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
		41323123	BASF Corporation	OWN	
		41323124	BASF Corporation	OWN	
		41920106	BASF Corporation	OWN	
		41920107	BASF Corporation	OWN	
		43110402	BASF Corporation	OWN	
		43766915	BASF Corporation	OWN	
		43766916	BASF Corporation	OWN	
(164-2)	Aquatic (sediment)	45204403	BASF Corporation	OWN	

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	SPRAY DRIFT TEST GUIDELINES				
835.1510 (201-1)	Droplet size spectrum				
840.4200 (202-1)	Drift field evaluation				
SERIES 850	ECOLOGICAL EFFECTS TEST GUIDELINES				
	Aquatic Fauna Test Guidelines				
850.1010 (72-2)	Aquatic invertebrate acute toxicity, test, freshwater daphnids	072967	BASF Corporation	OWN	
		263027	BASF Corporation	OWN	
		159915	BASF Corporation	OWN	

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Technical Glufosinate-ammonium

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
850.1025 (72-3)	Oyster acute toxicity test (shell deposition)	41396105	BASF Corporation	OWN	
		41396106	BASF Corporation	OWN	
850.1035 (72-3)	Mysid acute toxicity test	41396107	BASF Corporation	OWN	
850.1075 (72-1,3)	Fish acute toxicity test, freshwater and marine (sheepshead minnow)	41396104	BASF Corporation	OWN	
850.1075 (72-1,3)	Fish acute toxicity test, freshwater and marine – sunfish	072967	BASF Corporation	OWN	
		263027	BASF Corporation	OWN	
850.1075 (72-1,3)	Fish acute tox – rainbow trout	00142454	BASF Corporation	OWN	

Signature

*Karen Cain*

Name and Title

Karen Cain  
Sr Reg Manager

Date

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BASF Corporation, 26 Davis Drive, Research Triangle Park, NC 27709-3528

Product

Glufosinate-ammonium Technical & Glufosinate-ammonium MUP

Ingredient

Technical Glufosinate-ammonium

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
850.1075 (72-1,3)	Acute tox freshwater-pumpkinseed sunfish	00142455	BASF Corporation	OWN	
850.1075 (72-1,3)	Fish acute tox freshwater - fathead minnow	51102403	BASF Corporation	OWN	2019/2065631
850.1075 (72-1,3)	Fish acute tox freshwater - carp	51102408	BASF Corporation	OWN	2019/2065186
850.1075 (72-1)	Rainbow trout	159913	BASF Corporation	OWN	
850.1075 (72-1)	Bluegill sunfish	159914	BASF Corporation	OWN	
850.1075 (72-,3)	Sheepshead Minnow	41396108	BASF Corporation	OWN	
850.1075 (72-,3)	Eastern Oyster	41396109	BASF Corporation	OWN	
850.1075 (72-,3)	Mysid Shrimp	41396110	BASF Corporation	OWN	
850.1300 (72-4)	Daphnid chronic toxicity test	40501010	BASF Corporation	OWN	

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Product

Glufosinate-ammonium Technical & Glufosinate-ammonium MUP

Ingredient

Technical Glufosinate-ammonium

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
850.1350 (72-4)	Mysid chronic toxicity test				
850.1400 (72-4)	Fish early-life stage toxicity test	51102404	Freshwater (fathead minnow)	OWN	2019/2066536
850.1400 & 850.1500 (72-4/72-5)	Fish Full Life cycle toxicity	51102405	Estuarine/marine		2020/2036743 - Waiver
850.1500	Fish Full Life cycle toxicity	51471001	BASF Corporation	OWN	2021/2003826 Waiver
850.1730 (72-6/165-4)	Fish bioconcentration factor	40501017	BASF Corporation	OWN	
		41323130	BASF Corporation	OWN	
Nonguideline OECD 204	Fish Chronic Tox – Rainbow trout	48301105	BASF Corporation	OWN	
850.SUPP		49135801	BASF Corporation	OWN	
850.SUPP		49135802	BASF Corporation	OWN	

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Product

Glufosinate-ammonium Technical & Glufosinate-ammonium MUP

Ingredient

Technical Glufosinate-ammonium

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
850.SUPP		49135803	BASF Corporation	OWN	
	Terrestrial Wildlife Test Guidelines				
850.2100 (71-1)	Avian acute oral toxicity test	072967	BASF Corporation	OWN	
850.2100 (71-1)	Avian acute oral toxicity test	00142451	BASF Corporation	OWN	
850.2100 (71-1)	Avian acute oral toxicity test	00142450	BASF Corporation	OWN	

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Product

Glufosinate-ammonium Technical & Glufosinate-ammonium MUP

Ingredient

Technical Glufosinate-ammonium

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
850.2100	Acute Oral Tox - Japanese Quail	142452	BASF Corporation	OWN	
850.2100		51102406	BASF Corporation	OWN	2020/2034590 (Passerine-waiver)
850.2200 (71-2)	Avian dietary toxicity test - quail	256761	BASF Corporation	OWN	
850.2200 (71-2)	Avian dietary toxicity test - quail	00150988	BASF Corporation	OWN	
850.2200 (71-2)	Avian dietary toxicity test - quail	00150988	BASF Corporation	OWN	
850.2200 (71-2)	Avian dietary toxicity test - duck	256761	BASF Corporation	OWN	
850.2200 (71-2)	Avian dietary toxicity test - duck	00150989	BASF Corporation	OWN	
850.2300 (71-4)	Avian reproduction test - quail	40345649	BASF Corporation	OWN	
		41396102	BASF Corporation	OWN	

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Product

Glufosinate-ammonium Technical & Glufosinate-ammonium MUP

Ingredient

Technical Glufosinate-ammonium

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
		42262401	BASF Corporation	OWN	
850.2300 (71-4)	Avian reproduction test - duck	40345650	BASF Corporation	OWN	
		41396103	BASF Corporation	OWN	
		42262401	BASF Corporation	OWN	
	<b>Beneficial Insects and Invertebrates Test Guidelines</b>				
850.3020 (141-1)	Honeybee acute contact toxicity	072967	BASF Corporation	OWN	
850.3020 (141-1)	Honeybee acute contact toxicity	41364002	BASF Corporation	OWN	
850.SUPP	Honeybee Chronic feeding	51102401	BASF Corporation	OWN	2019/2055709

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Product

Glufosinate-ammonium Technical & Glufosinate-ammonium MUP

Ingredient

Technical Glufosinate-ammonium

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
850.SUPP	Honeybee Larvae Repeat dose	51102402	BASF Corporation	OWN	2019/2069418
850.SUPP	Honeybee acute larval tox	51102407	BASF Corporation	OWN	2020/2035535 Waiver request
850.SUPP	Honeybee	40345654	BASF Corporation	OWN	
850.SUPP	Bumblebee – Acute oral tox	51787601	BASF Corporation	OWN	M-524480-01-1 / 2019/2066865
850.SUPP	Honeybee – Acute contact and oral tox	51787602	BASF Corporation	OWN	M-411622-01-1 / 2019/2064335
850.SUPP	Toxicity to Non-target beneficial arthropods	51787603	BASF Corporation	OWN	M-119541-01-1 / 2019/2058257
850.SUPP	Semi-field study on non-target arthropods – apple orchard in Germany	51787604	BASF Corporation	OWN	M-519534-01-1 / 2019/2066756
850.SUPP	Semi-field study on non-target arthropods – apple orchard in France	51787605	BASF Corporation	OWN	M-519553-01-1 / 2019/2066757
850.SUPP	Semi-field study to non-target arthropods	51787606	BASF Corporation	OWN	M-198073-01-1 / 2019/2060365

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Product

Glufosinate-ammonium Technical & Glufosinate-ammonium MUP

Ingredient

Technical Glufosinate-ammonium

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
850.SUPP	Semi-field study on Honeybee	51787607	BASF Corporation	OWN	M-530946-02-1 / 2019/2055710
850.SUPP	Honeybee Brood feeding study	51787608	BASF Corporation	OWN	M-528442-01-1 / 2019/2066983
	<b>Nontarget Plants Test Guidelines</b>				
850.4100 (122-1(a))	Terrestrial plant toxicity, tier I (seedling emergence)	40345651	BASF Corporation	OWN	
850.4150 (122-1(b))	Terrestrial plant toxicity, tier I (vegetative vigor)	40345652	BASF Corporation	OWN	
850.4200 (122-1)	Seed germination/root elongation toxicity test				
850.4225 (123-1)	Seedling emergence, tier II	40501012	BASF Corporation	OWN	
		41396111	BASF Corporation	OWN	

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Product

Glufosinate-ammonium Technical & Glufosinate-ammonium MUP

Ingredient

Technical Glufosinate-ammonium

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
850.4230 (123-1)	Early seedling growth toxicity test				
850.4250 (123-1)	Vegetative vigor, tier II	40501011	BASF Corporation	OWN	
		41396112	BASF Corporation	OWN	
		41396113	BASF Corporation	OWN	
850.4400 (122-2 & 123-2)	Aquatic plant toxicity test using <i>Lemna spp.</i> tiers I and II	40345653	BASF Corporation	OWN	
850.4400		48444812	BASF Corporation	OWN	
850.4400		48444813	BASF Corporation	OWN	
850.4400		42262404	BASF Corporation	OWN	
850.4500		48444810	BASF Corporation	OWN	

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**Product**

Glufosinate-ammonium Technical & Glufosinate-ammonium MUP

**Ingredient**

Technical Glufosinate-ammonium

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
850.4500		48444811	BASF Corporation	OWN	
850.4550		48444816	BASF Corporation	OWN	
850.SUPP		48444817	BASF Corporation	OWN	
	<b>Toxicity to Microorganisms Test Guidelines</b>				
850.5400 (122-2 & 123-2)	Algal toxicity, tiers I and II				
	<b>Chemical-Specific Test Guidelines</b>				
850.6200	Earthworm subchronic toxicity test				
	<b>Field Test Data Reporting Guidelines</b>				
850.7100	Data reporting for environmental chemistry methods				

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Product

Glufosinate-ammonium Technical & Glufosinate-ammonium MUP

Ingredient

Technical Glufosinate-ammonium

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
<b>SERIES 860</b>	<b>RESIDUE CHEMISTRY TEST GUIDELINES</b>				
860.1100 (171-2)	Chemical identity	072961	BASF Corporation	OWN	
		263025	BASF Corporation	OWN	
		40345501	BASF Corporation	OWN	
		40345502	BASF Corporation	OWN	
860.1200 (171-3)	Directions for use				
860.1300 (171-4(a))	Nature of residues in plants	41323107	BASF Corporation	OWN	
		41323108	BASF Corporation	OWN	
		41323109	BASF Corporation	OWN	

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Product

Glufosinate-ammonium Technical & Glufosinate-ammonium MUP

Ingredient

Technical Glufosinate-ammonium

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
		41323129	BASF Corporation	OWN	
		40501002	BASF Corporation	OWN	
		40345632	BASF Corporation	OWN	
		44358606	BASF Corporation	OWN	
		44358607	BASF Corporation	OWN	
		44358601	BASF Corporation	OWN	
		43515602	BASF Corporation	OWN	
		43515603	BASF Corporation	OWN	
		45204405	BASF Corporation	OWN	

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Product

Glufosinate-ammonium Technical & Glufosinate-ammonium MUP

Ingredient

Technical Glufosinate-ammonium

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1300 (171-4(b))	Nature of residues in animals - ruminants	40345645	BASF Corporation	OWN	
		43766918	BASF Corporation	OWN	
	Nature of residues in animals - poultry	40345646	BASF Corporation	OWN	
		43766919	BASF Corporation	OWN	
860.1300 (171-4(b))	Nature of residues in animals - livestock	41323110	BASF Corporation	OWN	
860.1340 (171-4(c))	Residue analytical method - plants	40501008	BASF Corporation	OWN	
		41920108	BASF Corporation	OWN	
		41095801	BASF Corporation	OWN	
		43524601	BASF Corporation	OWN	

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Product

Glufosinate-ammonium Technical & Glufosinate-ammonium MUP

Ingredient

Technical Glufosinate-ammonium

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
		43515605	BASF Corporation	OWN	
		43515604	BASF Corporation	OWN	
		43766920	BASF Corporation	OWN	
		44903201	BASF Corporation	OWN	
		44973001	BASF Corporation	OWN	
		45137001	BASF Corporation	OWN	
860.1340 (171-4(d))	Residue analytical method - animals	42523602	BASF Corporation	OWN	
		42523603	BASF Corporation	OWN	
		43612302	BASF Corporation	OWN	

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Glufosinate-ammonium Technical & Glufosinate-ammonium MUP

Ingredient

Technical Glufosinate-ammonium

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1360 (171-4(c))	Multiresidue method		BASF Corporation		
860.1380 (171-4(e))	Storage stability data	41323106	BASF Corporation	OWN	
		44827901	BASF Corporation	OWN	
		45782201	BASF Corporation	OWN	
860.1400 (171-4(f))	Magnitude of the residue in water				
860.1400 (171-4(g))	Magnitude of the residue in fish				
860.1400 (171-4(h))	Magnitude of the residue in irrigated crops				
860.1460 (171-4(i))	Magnitude of the residue in food handling				
860.1480 (171-4(j))	Meat/milk/poultry/eggs	41323111	BASF Corporation	OWN	

Signature

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Date

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Applicant's/Registrant's Name & Address

BASF Corporation, 26 Davis Drive, Research Triangle Park, NC 27709-3528

Product

Glufosinate-ammonium Technical & Glufosinate-ammonium MUP

Ingredient

Technical Glufosinate-ammonium

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
		41323112	BASF Corporation	OWN	
		41323113	BASF Corporation	OWN	
		43766921	BASF Corporation	OWN	
		43766922	BASF Corporation	OWN	
860.1500 (171-4(k))	Crop field trials	42121905	BASF Corporation	OWN	
		41095802	BASF Corporation	OWN	
		42121902	BASF Corporation	OWN	
		42121903	BASF Corporation	OWN	
		42121904	BASF Corporation	OWN	

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Product

Glufosinate-ammonium Technical & Glufosinate-ammonium MUP

Ingredient

Technical Glufosinate-ammonium

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
		43515606	BASF Corporation	OWN	
860.1500 (171-4(k)) cont.	Crop field trials, cont.	43515607	BASF Corporation	OWN	
		43766923	BASF Corporation	OWN	
		43766924	BASF Corporation	OWN	
		43766925	BASF Corporation	OWN	
		40501005	BASF Corporation	OWN	
		40501006	BASF Corporation	OWN	
		40501007	BASF Corporation	OWN	
		44358602	BASF Corporation	OWN	

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Product

Glufosinate-ammonium Technical & Glufosinate-ammonium MUP

Ingredient

Technical Glufosinate-ammonium

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
		44358603	BASF Corporation	OWN	
860.1500 (171-4(k)) cont.	Crop field trials, cont.	44358605	BASF Corporation	OWN	
		44358608	BASF Corporation	OWN	
		44358609	BASF Corporation	OWN	
		44358611	BASF Corporation	OWN	
		44425201	BASF Corporation	OWN	
		44425202	BASF Corporation	OWN	
		44583901	BASF Corporation	OWN	
		45089301	BASF Corporation	OWN	

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Product

Glufosinate-ammonium Technical & Glufosinate-ammonium MUP

Ingredient

Technical Glufosinate-ammonium

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
		45089303	BASF Corporation	OWN	
860.1500 (171-4(k)) cont.	Crop field trials, cont	45204406	BASF Corporation	OWN	
		45204407	BASF Corporation	OWN	
		45782200	BASF Corporation	OWN	
		47915701	BASF Corporation	OWN	
		47915702	BASF Corporation	OWN	
		47915703	BASF Corporation	OWN	
		47915704	BASF Corporation	OWN	
		47915705	BASF Corporation	OWN	Conducted by IR-4

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Product

Glufosinate-ammonium Technical & Glufosinate-ammonium MUP

Ingredient

Technical Glufosinate-ammonium

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
		51630801	BASF Corporation	OWN	2019/2055720
60.1520 (171-4(l))	Processed food/feed	40501003	BASF Corporation	OWN	
		40501004	BASF Corporation	OWN	
		43515608	BASF Corporation	OWN	
		43515609	BASF Corporation	OWN	
		43766926	BASF Corporation	OWN	
		43766927	BASF Corporation	OWN	
		44033302	BASF Corporation	OWN	
		44358604	BASF Corporation	OWN	

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Product

Glufosinate-ammonium Technical & Glufosinate-ammonium MUP

Ingredient

Technical Glufosinate-ammonium

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
		44358610	BASF Corporation	OWN	
		44358612	BASF Corporation	OWN	
		45089302	BASF Corporation	OWN	
		45204408	BASF Corporation	OWN	
		47915706	BASF Corporation	OWN	
		47915707	BASF Corporation	OWN	
		47915708	BASF Corporation	OWN	
		51630801	BASF Corporation	OWN	2019/2055720

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Product

Glufosinate-ammonium Technical & Glufosinate-ammonium MUP

Ingredient

Technical Glufosinate-ammonium

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1540 (171-5)	Reduction of residue				
860.1550 (171-6)	Proposed tolerances				
860.1560 (171-7)	Reasonable grounds in support of the petition				
860.1650 (171-13)	Submittal of analytical reference standards				
860.1850 (165-1)	Confined accumulation in rotational crops	262076	BASF Corporation	OWN	
		40501015	BASF Corporation	OWN	
		40501016	BASF Corporation	OWN	
		40501002	BASF Corporation	OWN	
		41323125	BASF Corporation	OWN	

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Product

Glufosinate-ammonium Technical & Glufosinate-ammonium MUP

Ingredient

Technical Glufosinate-ammonium

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
		41323126	BASF Corporation	OWN	
		41920105	BASF Corporation	OWN	
		43766917	BASF Corporation	OWN	
860.1900 (165-2)	Field accumulation in rotational crops	41323127	BASF Corporation	OWN	
		41323128	BASF Corporation	OWN	
		45839901	BASF Corporation	OWN	
165-3	Accumulation in Irrigated Crops	45204404	BASF Corporation	OWN	
SERIES 870	HEALTH EFFECTS TEST GUIDELINES				
	Acute Toxicity Test				

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Product

Glufosinate-ammonium Technical & Glufosinate-ammonium MUP

Ingredient

Technical Glufosinate-ammonium

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
870.1100 (81-1)	Acute oral toxicity	072961	BASF Corporation	OWN	
		263026	BASF Corporation	OWN	
870.1200 (81-2)	Acute dermal toxicity	072961	BASF Corporation	OWN	
		263026	BASF Corporation	OWN	
870.1300 (81-3)	Acute inhalation toxicity	072961	BASF Corporation	OWN	
		072966	BASF Corporation	OWN	
		073916	BASF Corporation	OWN	
		072966	BASF Corporation	OWN	
		263026	BASF Corporation	OWN	

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Product

Glufosinate-ammonium Technical & Glufosinate-ammonium MUP

Ingredient

Technical Glufosinate-ammonium

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
870.2400 (81-4)	Acute eye irritation	072961	BASF Corporation	OWN	
870.2500 (81-5)	Acute dermal irritation	072961	BASF Corporation	OWN	
870.2600 (81-6)	Skin sensitization	072962	BASF Corporation	OWN	
	<b>Subchronic Toxicity Test Guidelines</b>				
870.3100 (82-1(a))	90-day oral toxicity in rodents	072963	BASF Corporation	OWN	
		45297002	BASF Corporation	OWN	
870.3150 (82-1(b))	90-day oral toxicity in nonrodents	072964	BASF Corporation	OWN	
870.3200 (82-2)	21/28-day dermal toxicity	40345605	BASF Corporation	OWN	
870.3250 (82-3)	90-day dermal toxicity				

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Product

Glufosinate-ammonium Technical & Glufosinate-ammonium MUP

Ingredient

Technical Glufosinate-ammonium

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
870.3465 (82-4)	90-day inhalation toxicity	40345606	BASF Corporation	OWN	
870.3700 (83-3(a))	Prenatal developmental toxicity study - rat	072965	BASF Corporation	OWN	
		072962	BASF Corporation	OWN	
		40345610	BASF Corporation	OWN	
870.3700 (83-3(b))	Prenatal developmental toxicity study - rabbit	40345611	BASF Corporation	OWN	
		41144703	BASF Corporation	OWN	
870.3800 (83-4)	Reproduction and fertility effects	40345612	BASF Corporation	OWN	
	Chronic Toxicity Test Guidelines				
870.4100 (83-1(a))	Chronic toxicity - rat	40345607	BASF Corporation	OWN	

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**Product**

Glufosinate-ammonium Technical & Glufosinate-ammonium MUP

**Ingredient**

Technical Glufosinate-ammonium

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
		40706401	BASF Corporation	OWN	
		41144701	BASF Corporation	OWN	
870.4100 (83-1(b))	Chronic toxicity - dog	40345608	BASF Corporation	OWN	
870.4200 (83-2(a))	Carcinogenicity - rat	40345607	BASF Corporation	OWN	
		40706401	BASF Corporation	OWN	
		41144701	BASF Corporation	OWN	
		44539501	BASF Corporation	OWN	
870.4200 (83-2(b))	Carcinogenicity - mouse	40345609	BASF Corporation	OWN	
		41144702	BASF Corporation	OWN	

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Product

Glufosinate-ammonium Technical & Glufosinate-ammonium MUP

Ingredient

Technical Glufosinate-ammonium

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
870.4300 (83-5)	Combined chronic toxicity/carcinogenicity				
	<b>Genetic Toxicity Test Guidelines</b>				
870.5100 (84-2)	Bacterial reverse mutation assays	072961	BASF Corporation	OWN	
		40345615	BASF Corporation	OWN	
870.5140 (84-2)	Gene mutation in <i>Asperigillus nidulans</i>				
870.5195 (84-2)	Mouse biochemical specific locus test				
870.5200 (84-2)	Mouse visible specific locus test				
870.5250 (84-2)	Gene mutation in <i>Neurospora crassa</i>				
870.5265 (84-2)	<i>Salmonella typhimurium</i> reverse mutation assay				

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Product

Glufosinate-ammonium Technical & Glufosinate-ammonium MUP

Ingredient

Technical Glufosinate-ammonium

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
870.5275 (84-2)	Sex-linked recessive lethal test in <i>Drosophila melanogaster</i>				
870.5300 (84-2)	<u>In vitro</u> mammalian cell gene mutation test				
870.5375 (84-2)	<u>In vitro</u> mammalian chromosome aberration test	072961	BASF Corporation	OWN	
		40345613	BASF Corporation	OWN	
		41144704	BASF Corporation	OWN	
870.5380 (84-2)	Mammalian spermatogonial chromosomal aberration test				
870.5385 (84-2)	Mammalian bone marrow chromosomal aberration test				
870.5395 (84-2)	Mammalian erythrocyte micronucleus test				
870.5450 (84-2)	Rodent dominant lethal assay				

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DATA MATRIX

Date March 4, 2022

EPA Reg. No. 7969-446; 7969-445

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Applicant's/Registrant's Name & Address

BASF Corporation, 26 Davis Drive, Research Triangle Park, NC 27709-3528

Product

Glufosinate-ammonium Technical & Glufosinate-ammonium MUP

Ingredient

Technical Glufosinate-ammonium

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
870.5460 (84-2)	Rodent heritable translocation assays				
870.5500 (84-2)	Bacterial DNA damage or repair tests				
870.5550 (84-2)	Unscheduled DNA synthesis in mammalian cells in culture				
870.5575 (84-2)	Mitotic gene conversion in <i>Saccharomyces cerevisiae</i>				
870.5900 (84-2)	<u>In vitro</u> sister chromatid exchange assay				
870.5915 (84-2)	<u>In vivo</u> sister chromatid exchange assay				
84-4	Other Genotoxic Effects	40345614	BASF Corporation	OWN	
		40345616	BASF Corporation	OWN	
		40345617	BASF Corporation	OWN	

Signature

Name and Title

Karen Cain  
Sr Reg Manager

Date

03/04/2022



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Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
	Neurotoxicity Test Guidelines				
870.6100 (81-7), (82-5), & (82-6)	Acute and 28-day delayed neurotoxicity of organophosphorus substances				
870.6200 (81-8), (82-7), & (83-1)	Neurotoxicity screening battery	40345604	BASF Corporation	OWN	
		45190701	BASF Corporation	OWN	
		45190702	BASF Corporation	OWN	
		45190703	BASF Corporation	OWN	
		45190704	BASF Corporation	OWN	
		45179101	BASF Corporation	OWN	

Signature

*Karen Cain*

Name and Title

Karen Cain  
Sr Reg Manager

Date

03/04/2022

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**Product**

Glufosinate-ammonium Technical & Glufosinate-ammonium MUP

**Ingredient**

Technical Glufosinate-ammonium

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
		45179102	BASF Corporation	OWN	
870.6300 (83-6)	Developmental neurotoxicity study	46455701	BASF Corporation	OWN	
870.6500 (82-5)	Schedule-Controlled Operant Behavior	45179103	BASF Corporation	OWN	
	<b>Special Studies Test Guidelines</b>				
870.7485 (85-1)	Metabolism and pharmacokinetics	072965	BASF Corporation	OWN	
		40345629	BASF Corporation	OWN	
		40345623	BASF Corporation	OWN	
		40345642	BASF Corporation	OWN	
		40345640	BASF Corporation	OWN	

**Signature**

*Karen Cain*

**Name and Title**

Karen Cain  
Sr Reg Manager

**Date**

03/04/2022



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Ingredient

Technical Glufosinate-ammonium

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
		40345637	BASF Corporation	OWN	
		40345644	BASF Corporation	OWN	
		40345624	BASF Corporation	OWN	
		40345621	BASF Corporation	OWN	
		40345639	BASF Corporation	OWN	
		40345643	BASF Corporation	OWN	
		40345636	BASF Corporation	OWN	
		40345638	BASF Corporation	OWN	
		40345641	BASF Corporation	OWN	

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Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
SERIES 875	EXPOSURE TEST GUIDELINES				
875.SUPP	Post-application exposure Risk Assessment	50963401	The Scotts Co, 14111 Scottslawn Rd Marysville, OH 43041	OWN	Submitted by Scotts Co

Signature

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